

Food and Agricultural Sciences National Needs Graduate and Postgraduate Fellowship Grants Program

Goals / Priorities

- Support fellowship programs that encourage outstanding students to pursue and complete their degrees or obtain postdoctoral training in areas where there is a national need for the development of scientific and professional expertise
- Education and Training towards Graduate Degree at
 - M.S. Level
 - Doctoral Level
 - Postdoctoral – not funded**
- International Research/Thesis Travel Allowance**

Graduate Fellowship Grant - Significant Changes For FY 2006

- **Targeted Expertise Shortage Areas (TESAs)**
1) agricultural genomics and bioinformatics; 2) natural resources and the environment; 3) agricultural systems and natural resource engineering; 4) agricultural management and economics; 5) food science; 6) human nutrition; 7) sciences for agricultural biosecurity; and 8) training in sustainable sciences
- **Applications can be made in a single TESA for Doctoral, Master's training and International Research/Thesis Travel**
- **Requirements for measurable outcomes in evaluation criteria**
- **Added focused reporting requirements on performance based measures identified in the application**

Graduate Fellowship Grants Funding Statistics

- **Submitted (#)**
 - **2005:** 73
- **Awarded (#):** 39
 - 22 Master's Students
 - 75 Doctoral Students
- **% Success:** 53
- **Average award size**
 - \$ 128 – 404 K
- **Duration (years)**
 - 3 – 5 (Maximum)
- **International Travel/Research**
 - Allowance for National Needs Fellows

International Science and Education Competitive Grants Program

The purpose of the ISE is to support the Internationalization of food, agriculture, and related programs at U.S. universities and colleges.

Significant Changes For FY 2006

- The ISE program started in FY 2004. There were no changes in FY 2006.

ISE Funding Statistics

- **Submitted (#)** - 116
- **Awarded (#)** - 19
- **% Success** – 16.4%
- **Average award size**
 - \$99,742
- **Duration** (years) - up to a maximum of 4 years

Secondary and Two-Year Postsecondary Agriculture Education Challenge Grants Program

Goals / Priorities

The purpose of this competitive grants program is to promote and strengthen academic instruction in agriscience and agribusiness at secondary and 2-year postsecondary institutions by:

- Enhancing curricula,
- Increasing faculty teaching competencies,
- Preparing students for scientific and professional careers,
- Incorporating agriscience or agribusiness subject matter into other, non-agricultural course work,
- Facilitating joint initiatives among other educational institutions, and
- Responding identified State, regional, or national needs.

Significant Changes For FY 2006

Secondary and Two-Year Postsecondary Agriculture Education Challenge Grants Program

- Increased award amount from \$35,000 to \$50,000 for joint, collaborative projects, and
- Required documentation describing how project accomplishments will be published or otherwise disseminated throughout the academic community

Funding Statistics

Secondary and Two-Year Postsecondary Agriculture Education Challenge Grants Program

- **Submitted (#)**

- FY 2005 = 47 FY 2006 = 53

- **Awarded (#)**

- FY 2005 = 26 FY 2006 = 23

- **% Success**

- FY 2005 = 55% FY 2006 = 43%

- **Average award size**

- \$ 37,600

- **Duration (years) = 8**

Higher Education Challenge Grants Program

Goals / Priorities

The purpose of this competitive grants program is to improve academic instruction in the food and agricultural sciences by:

- Enhancing curricula,
- Increasing faculty teaching competencies,
- Modernizing instructional delivery systems,
- Facilitating joint initiatives among other educational institutions, and
- Responding identified State, regional, or national needs.

Significant Changes For FY 2006

Higher Education Challenge Grants Program

- Increased award amount from \$400,000 to \$500,000 for joint, collaborative projects.
- Encouraged partnerships among several colleges and/or universities to more efficiently deliver coordinated, academic instruction that reduces instructional duplication and costs,
- Developed new recruitment and retention strategies, and
- Required documentation describing how project accomplishments will be published or otherwise disseminated throughout the academic community.

Funding Statistics

Higher Education Challenge Grants Program

- **Submitted (#)**

- FY 2005 = 83 FY 2006 = 110

- **Awarded (#)**

- FY 2005 = 30 FY 2006 = 18

- **% success**

- FY 2005 = 36% FY 2006 = 16%

- **Average award size**

- \$ 227,000

- **Duration (years) = 17**

Hispanic Serving Institutions Education Grants Program

Goals / Priorities: This competitive grants program promotes and strengthens the ability of Hispanic-Serving Institutions to carry out higher education programs in the food and agricultural sciences and produce graduates capable of enhancing the Nation's work force.

HSI Projects should focus on one or more of the Educational Need Areas listed below:

- Curricula Design, Materials Development, and Library Resources
- Faculty Preparation and Enhancement for Teaching
- Scientific Instrumentation for Teaching
- Instruction Delivery Systems
- Student Experiential Learning
- Student Recruitment and Retention (including student financial assistance).

Significant Changes For FY 2006

Changes to be disclosed after the Hispanic-Serving Education RFA is Published

Funding Statistics

Hispanic Serving Institutions Education Grants Program

Submitted (#)

•FY 2005 = 91

FY 2006 = 61

Awarded (#)

•FY 2005 = 20

FY 2006 = 23

% Success

•FY 2005 = 22

FY 2006 = 37

Average award size

•FY 2005 = \$266,600

FY 2006 = \$246,000

Project Duration = 2-3 years

Higher Education Multicultural Scholars Program (MSP)

Goals / Priorities

The purpose of this competitive undergraduate scholarship grant program is to increase the multicultural diversity of the food and agricultural scientific and professional workforce, and advance the educational achievement of all Americans by providing competitive grants to colleges and universities. The MSP supports recruiting, retaining, mentoring, and training of high quality multicultural scholars in undergraduate education, resulting in either a baccalaureate degree within the food, agricultural sciences and natural resources or the Doctor of Veterinary Medicine degree.

Significant Changes For FY 2006

- **Implemented requirements for MSP:**
 - 60-month duration for the programs
 - Simultaneous application for undergrad training and Student Experiential Learning opportunities.
 - Significant, targeted changes in the alignment of undergraduate training to meet the strategic goals of the agency and geared to increase the pool of undergraduates available to pipeline into graduate training in the natural resources, food and agricultural sciences;
 - Measurable outcomes in the evaluation criteria and
 - Focused reporting requirements, using CRIS

Funding Statistics

Higher Education MSP

- **Submitted (#):** 25
- **Awarded (#):** 14
- **% Success:** 56
- **Average award size:**
 - \$ 72 – 120 K
- **Duration (years)**
 - From three (3) to a maximum of five (5) years

Tribal Colleges (1994 Institutions) Extension Program

Provides funding to (1) increase Extension program capacity at 1994 Institutions (“Increase Extension Program Capacity”) and (2) address special needs, take advantage of important opportunities and/or demonstrate long-term sustained benefits of Extension projects at the 1994’s (“Extension Special Emphasis Projects”).

Funded projects support one or more of the 5 Strategic Goals outlined in the CSREES Strategic Plan for FY 2004-2009:

- 1) Enhance economic opportunities for agricultural producers
- 2) Support increased economic opportunities and improved quality of life in rural America
- 3) Enhance protection and safety of the Nation’s agriculture and food supply
- 4) Improve the Nation’s nutrition and health
- 5) Protect and enhance the Nation’s natural resource base and environment

Significant Changes for FY 2006

Tribal Extension Program

- Applicants may request funding for one year under the “Increase Extension Program Capacity” project type
- **or**
- **(New in FY 2006)** Applicants may submit an application for a 4-year project under this project type

Funding Statistics

(FY 2006 Tribal Extension Program)

	Increase Extension Program Capacity	Extension Special Emphasis Projects
Proposals Submitted	30	18
Awarded	26	11
% Success	87%	61%
Average Award Size	\$85,000 (per year)	\$80,500 (total)
Duration	1 year <u>or</u> 4 years	up to 3 years

1890 Institution Teaching and Research Capacity Building Grants Program

Goals / Priorities

- Building & strengthening institutional capacity and capabilities in new and emerging academic and scientific areas in the food, agricultural and related sciences
- Strengthening partnerships & collaborations among the 1890s, other institutions of higher education, USDA agencies and the private sector
- Ensuring a well-trained and culturally diverse workforce to meet the needs of a globally interconnected, technologically advanced food and agricultural sciences domain

1890 Capacity Building Grants Program - Significant Changes For FY 2006

- **Targeted Projects – up to 20% (up from 10%) of funds allocated to these types applications**
- **Joint or Multi-college/university collaborative projects – up to 40% (up from 30%) of funds allocated to these types of applications**
- **General Pool Projects - Approximately 40% (down from 60%) allocated to these types of applications**
- **Joint projects – applicant institution retains at least 30% (down from 40%) but no more than 70% (up from 60%) of awarded funds**

1890 Capacity Building Grants Program Funding Statistics

- **Submitted (#)**
 - **2006:** 195
 - Teaching – 58
 - Research - 137
- **Awarded (#):** 44
 - 28 Teaching
 - 16 Research
- **% Success:**
 - Teaching - ~48
 - Research - ~12
- **Average award size (range)**
 - \$ 158 – 500 K
- **Duration (years)**
 - 2 – 3 (w/no-cost extensions – 5 Years Maximum)